Level

K	1	2	3	4	5	6	7	8	9	10	11	12

Subject: Engineering Graphics

CISD Curriculum Framework – Scope

Local Objectives	Extension	Textbook	Time Range	Assessment	Resources
1. The student designs an item using appropriate engineering graphic design processes and techniques. 2. The student investigates emerging and innovative engineering graphic technologies. 3. The student describes the importance of quality and how it is determined in engineering graphics. 4. The student produces a variety of engineering drawings using the appropriate tools, equipment, machines, materials, and processes 5. The student demonstrates proper maintenance of engineering graphics tools and equipment. 6. The student applies the appropriate codes, laws, standards, or regulations, such as Occupational Safety and Health Administration (OSHA), National Electrical Code (NEC), American Society for Testing Materials (ASTM), standard symbols, and line weights. 7. The student applies his/her communication, mathematics, and science knowledge and skills to engineering graphics activities. 8. The student describes the importance of teamwork, leadership, integrity, honesty, work habits, and organizational skills.		*Applying AutoCAD* Terry T. Wohlers(1998) Glenco *Mechanical Drawing CAD – Communications* French, Svensen, Helsel, Urbanick (1991) Glenco *Drafting in a Computer Age* Paul Wallach, Dean Chowenhill (1989) Delmar	2 Semesters	Unit assessment of computer tasks, Assigned drawings, Class Assignments, Teacher observation, Finished Projects, Tests	AutoCAD 14, Drafting equipment, internet, local engineering firms